

# **RheumAI**

CS3307; Group 1

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## User Story Progress Overview

Category	User Story	Story Points	Status
Required	Summarizing Transcribed Doctor-Patient Conversations	6	Complete
	Efficient File Handling for Patient Meeting Records	8	Complete
	User Interface	8	Complete
	Real-Time Transcription	4	Complete
	Audio Recording	3	Complete
Optional	Summary Layout Selection	8	Complete
	Voice Trigger for Hands-Free Recording Control	8	Not Started
Wishlist	Advanced Analytics	5	Not Started
	Real-Time Feedback for Follow-Up Question Suggestions	8	Not Started
	Mobile Integration for Summarized Conversations	13	Not Started

## Project Tasks

See Jira Kanban Board [here](#).

## UML Diagram

See attached file.

## API Keys

Enter the following API keys in “Settings”, and click “Ok”:

**Google Summarizer API Key:** AIzaSyAi2II57XrNuonzeGgoSB4IFP81zCTy-8U

**Google Transcriber API Key:** AIzaSyBV63tBSI7HUCC149tEXKqfTW0j57hS\_8g

**Open AI Whisper:** This is a paid key, so unfortunately, we will be unable to provide it. Please recording using a dual channel microphone and make sure the recording is under 60 seconds.

# Notes on Acceptance Criteria and Test Cases

## Real Time Transcription

*Clarification: This user story was created in response to early tests with the API revealing significant delays in transcription (ie. up to 10 minutes to receive a response from the API). The goal of this user story is to optimize performance to minimize this response time, rather than transcribing text as the user speaks.*

- Acceptance Criteria: The system transcribes the patient's speech onto the main area in real-time.
  - *Clarification: "Transcribed in real time" is intended to mean that the full transcribed conversation appears on screen with minimal delay after the recording has ended, not that the words should appear on screen as the user speaks.*
- Test Case 3: Test the ability to stop transcription manually and confirm that it ceases immediately
  - *Manually pressing "Stop Recording" stops the transcribed conversation*
- Test Case 4: Navigate through previous transcriptions and patient data during an active transcription and ensure the system remains stable
  - *Note that a loading dialog window displays while transcription is ongoing, but this window can be closed to view previous transcripts*

## User Interface

- *Field "PHN/OHIP" has been generalized to "Health Card"*

## Summary Layout Format

- Test Case 5: Set a default summary layout in settings menu and confirm it auto-applies to new summaries.
  - *Correction: "New summaries" in this test case should mean summaries being loaded on a new application launch (ie. After closing and relaunching the application, the summary should be displayed with the default layout). Changing the default layout should not change the layout format in-use in the current session.*

## **File Handling**

- Pause and Continue Recording
  - *Correction: Decided to take into account using multiple recordings in the same patient, so this feature basically mimics stopping and starting.*
  - *[Criteria 7] Secure file storage ensuring patient confidentiality (e.g., encryption if required).*
    - *This criteria was modified a bit because we realized that files were being stored locally, so there is no need for any file safety for online use.*